



*California Environmental Protection Agency
Department of Toxic Substances Control*

HAZARDOUS WASTE FACILITY PERMIT

Permit Number: 05-SAC-07

Facility Name:

Edwards Air Force Base
Air Force Flight Test Center
Hazardous Waste Support Facility
Edwards AFB, California 93524

Owner Name:

United States Air Force
Commander, 95th Air Base Wing
30 South Rosamond Boulevard, Bldg. 3000
Edwards AFB, California 93524

Operator Name:

Environmental Management Division
Chief, Environmental Quality Branch
5 East Popson Avenue, Bldg. 2650A
Edwards AFB, California 93524

Facility EPA ID Number: CA1570024504

Effective Date:

Expiration Date:

Permit Modification History:

Pursuant to Section 25200 of the California Health and Safety Code, this RCRA-equivalent Hazardous Waste Facility Permit is hereby issued to Edwards Air Force Base, Air Force Flight Test Center. The Issuance of this Permit is subject to the conditions set forth in Attachment A and the Part "B" Application (Operation Plan), December 2004. The Attachment A consists of 13 pages.

James M. Pappas, P.E., Chief
Northern California Permitting and Corrective Action
Branch
Department of Toxic Substances Control

Date:

EDWARDS AIR FORCE BASE
Environmental Management Division
5 East Popson Avenue, Building 2650A
Edwards AFB, California 93254-1130

HAZARDOUS WASTE FACILITY PERMIT
ATTACHMENT "A"
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HAZARDOUS WASTE FACILITY PERMIT

EDWARDS AIR FORCE BASE
Environmental Management Division
5 East Popson Avenue, Building 2650A
Edwards AFB, California 93254-1130
EPA ID. No. CA1570024504

PART I. DEFINITIONS

All terms used in this Permit shall have the same meaning as those terms have in the California Health and Safety Code, Division 20, Chapter 6.5 and California Code of Regulations, title 22, division 4.5, unless expressly provided otherwise by this Permit.

1. **"DTSC"** as used in this Permit means the California Department of Toxic Substances Control.
2. **"Permittee"** as used in this Permit means the Owner and Operator.
3. Unless explicitly stated otherwise, all references to items in this Permit shall refer only to items occurring within the same part.

PART II. DESCRIPTION OF THE FACILITY AND OWNERSHIP

1. OWNER

The facility is owned by the United States Department of Defense (DoD) and the United States Air Force (USAF) Materiel Command (hereafter "owner"). The mailing address and phone number are as follows:

Owner: Edwards Air Force Base
Air Force Flight Test Center
Attn: 95th Air Base Wing
30 South Rosamond Boulevard, Building 3000
Edwards AFB, California 93524
(661) 277-3010

2. OPERATOR

The facility is operated by the 95th Air Base Wing (hereafter "Operator") as a federal facility. The mailing address and phone number are as follows:

Operator: Edwards Air Force Base
Air Force Flight Test Center
Attn: Environmental Management Office
Environmental Quality Branch
5 East Popson Avenue, Building 2650A
Edwards AFB, California 93524
(661) 277-1402

3. LOCATION

The Hazardous Waste Support Facility (HWSF) is located within the legal boundaries of Edwards AFB, east of Rosamond, approximately 60 miles north-northeast of Los Angeles, California, on the western edge of the Mojave Desert. Edwards AFB occupies approximately 310,000 acres of desert in portions of three counties: Kern, Los Angeles, and San Bernardino. Edwards AFB Main Base is situated on the western edge of Rogers Dry Lake, which is centrally located on Edwards AFB. The HWSF is located on the north side of the Main Base, approximately 5 miles south of the northern boundary, and contains one (1) hazardous waste management unit (unit) designated as Building 4916. The HWSF address is 446 North Rosamond Boulevard. The legal boundaries of the HWSF, along with the surrounding land uses, are shown on the detailed topographic map and site plan, provided in Appendix 10b and following, in Volume II, of the Part B Application, incorporated by reference.

4. PERMIT HISTORY

The original storage permit was issued to Edwards Air Force Base on June 30, 1995 and is effective for a period of ten (10) years. It is scheduled to expire on June 30, 2005. The facility initiated a Class 2 Permit Modification in February of 2000, and the permit modification was issued on May 21, 2003. The revisions related to the permit modification are contained in the Part B Application dated November 2001.

5. DESCRIPTION

The Edwards AFB's HWSF is surrounded by a chain-link and barbed-wire fenced area of approximately 2.8 acres (340 feet x 440 feet) on Edwards AFB property, outside of which are paved and unpaved areas. This HWSF serves as a central point for the collection of a full range of hazardous wastes (acids, caustics, batteries, oxidizers, solvents, plastics, resins, etc.), generated base-wide. Building 4916 is used for hazardous waste (HW) storage and staging and includes 400 sq. ft. of enclosed HW storage and 3,150 sq. ft. of an open and covered HW staging area. Hazardous waste is stored in 55-gallon drums and other Department of Transportation-approved containers. Containers are grouped in three separate storage areas inside Building 4916 according to compatibility. Each is equipped with its own secondary containment with an impervious floor sloped to subsurface collection sumps in each area. Building 4916 has a maximum container storage capacity of 736 containers. There is a fourth containment area located in the center of the building which is used for drum staging activities. The staging area has a maximum container storage capacity of 768 containers. All containers are placed on wooden pallets and the secondary containment systems for all areas are constructed of concrete and sealed with a chemical resistant epoxy sealer.

Building 4917 is used to store miscellaneous inert supplies, such as empty drums, packing materials, etc. Empty drums are stored in two other areas: an open shed in the northwest corner of the site (20 feet by 76 feet) and a concrete pad on the northern end of the site. The outdoor HW storage areas are curbed to provide a barrier from stormwater run-on to HW storage areas and to prevent potential spills from entering stormwater runoff.

Building 4922 is an administrative field office.

6. FACILITY SIZE AND TYPE FOR FEES

The facility is categorized as a medium-sized storage facility for purposes of California Health and Safety Code, section 25205.19.

PART III. GENERAL CONDITIONS

1. PERMIT APPLICATION DOCUMENTS

- (a) The Part "A" Application dated December 15, 2004, and
- (b) The Part "B" Application (Operation Plan) dated December 2004, including: RCRA Part B Base-Wide Permit Application Information document, the Hazardous Waste Support Facility Permit Application, the Contingency Plan for the Hazardous Waste Support Facility and the Explosive Ordnance Range, and the Hazardous Waste Support Facility Waste Analysis Plan are hereby made a part of this Permit by reference.

2. EFFECT OF PERMIT

- (a) The Permittee shall comply with the provisions of the California Health and Safety Code, and Division 4.5 of California Code of Regulations, title 22. The issuance of this Permit by DTSC does not release the Permittee from any liability or duty imposed by federal or state statutes or regulations or local ordinances, except the obligation to obtain this Permit. The Permittee shall obtain the permits required by other governmental agencies, including but not limited to, the applicable land use planning, zoning, hazardous waste, air quality, water quality, and solid waste management laws for the construction and/or operation of the Facility.
- (b) The Permittee is permitted to store hazardous wastes in accordance with the conditions of this Permit. Any treatment or storage of hazardous wastes not specifically authorized in this Permit is strictly prohibited
- (c) Compliance with the terms of this Permit does not constitute a defense to any action brought under any other law governing protection of public health or the environment, including, but not limited to, one brought for any imminent and substantial endangerment to human health or the environment.
- (d) DTSC's issuance of this Permit does not prevent DTSC from adopting or amending regulations that impose additional or more stringent requirements than those in existence at the time this Permit is issued and does not prevent the enforcement of these requirements against the Permittee.
- (e) Failure to comply with any term or condition set forth in the Permit in the time or manner specified herein will subject the Permittee to possible enforcement action including but not limited to penalties pursuant to California Health and Safety Code, section 25187.
- (f) In addition, failure to submit any information required in connection with the Permit, or falsification and/or misrepresentation of any submitted information, is grounds for

revocation of this Permit (California Code of Regulations, title 22, section 66270.43).

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- (g) In case of conflicts between the Operation Plan and the Permit, the Permit conditions take precedence.
- (h) This Permit includes and incorporates by reference any conditions of waste discharge requirements issued by the State Water Resources Control Board or any of the California Regional Water Quality Control Boards and any conditions imposed pursuant to section 13227 of the Water Code.

3. COMPLIANCE WITH CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

A categorical exemption has been prepared in the accordance with the requirements of Public Resources Code, section 21000 et seq. and the CEQA Guidelines, section 15070 et seq. of title 14, California Code of Regulations.

4. ENVIRONMENTAL MONITORING

Not applicable.

5. WASTE MINIMIZATION CERTIFICATION

Pursuant to California Health and Safety Code, section 25202.9 the Permittee shall certify annually, by March 1 for the previous year ending December 31, that:

- (a) The HWSF has a program in place to reduce the volume and toxicity of all hazardous wastes, which are generated by the base-wide operations, to the degree, determined by the Permittee, to be economically practicable. This program, the *Source Reduction Evaluation Review and Plan*, dated July 2003, lists targeted waste streams in Section 4.0, and the *Waste Minimization Plan Performance Report*, dated January 2004, lists the effectively-managed waste streams in Section 4.0.
- (b) The method of storage or treatment is the only practicable method or combination of methods currently available to the facility which minimizes the present and future threat to human health and the environment.

The Permittee shall make this certification, in accordance with California Code of Regulations, title 22, section 66270.11. The Permittee shall submit the certification to James M. Pappas, P.E., Chief, Northern California Permitting and Corrective Action Branch (NCPCAB) and shall record and maintain onsite such certification in the facility Operating Record.

6. WASTE MINIMIZATION CONDITIONS

The Permittee shall comply with the Hazardous Waste Source Reduction and Management Review Act (SB 14) requirements that are specified in the California Health and Safety Code, sections 25244.19, 25244.20 and 25244.21, and any subsequent applicable statutes or regulations promulgated thereunder, including submittal of SB 14 documents to DTSC upon request.

DTSC may require the Permittee to submit a more detailed status report explaining any deviation from, or changes to, the approved waste minimization plan.

PART IV. PERMITTED UNITS AND ACTIVITIES

This Permit authorizes operation only of the HWSF and activities listed below. The Permittee shall not treat or store hazardous waste in any unit other than those specified in this Part IV. Any modifications to a unit or activity authorized by this Permit require the written approval of DTSC in accordance with the permit modification procedures set forth in California Code of Regulations, title 22.

UNIT NAME:

Edwards Air Force Base Hazardous Waste Support Facility

LOCATION:

The Hazardous Waste Support Facility (HWSF) is located in Kern County, on the north side of the Main Base, approximately 5 miles south of the northern boundary and consists of one (1) hazardous waste management unit (unit) designated as Building 4916. The address of the HWSF is 446 North Rosamond Boulevard. The legal boundaries of the HWSF, along with the surrounding land uses, are shown on the detailed topographic map and site plan, provided in Appendix 10b and following, in Volume II, of the Part B Application, incorporated by reference. GPS coordinates: State Plane NAD83, E,N: 6592790, 2165997.

ACTIVITY TYPE:

Hazardous wastes are stored in containers for up to one (1) year prior to off-site disposal.

ACTIVITY DESCRIPTION:

This unit serves as a central point for the collection of a full range of hazardous wastes (acids, caustics, batteries, oxidizers, solvents, plastics, resins, etc.), generated base-wide. Hazardous waste is stored in 55-gallon drums and other Department of Transportation-approved containers. It is loaded/unloaded and compatible wastes are consolidated. Containers are thus stored prior to off-site disposal.

PHYSICAL DESCRIPTION:

The HWSF includes: (1) Building 4917 (supply storage); (2) Building 4922 (field office), and (3) Building 4916 (hazardous waste (HW) storage and staging). Building 4916 includes 400 sq. ft. of enclosed HW storage and 3,150 sq. ft. of an open and covered HW staging area. Containers are grouped in three separate storage areas inside Building 4916 according to compatibility. Each is equipped with its own secondary containment with an impervious floor sloped to subsurface collection sumps in each area. There is a fourth containment area located in the center of the building which is used for drum staging activities. All containers are placed on wooden pallets, and the secondary containment systems for all areas are constructed of concrete and sealed with a chemical resistant epoxy sealer. Outdoor HW storage areas are covered by a canopy to prevent stormwater from falling directly onto the unit containers.

MAXIMUM CAPACITY:

Building 4916 has a maximum container storage capacity of 736 containers or 40,480 gallons. The staging area has a maximum container storage capacity of 768 containers or 42,240 gallons.

WASTE TYPES:

Waste types are listed in the RCRA Part B Permit Renewal Application, Hazardous Waste Storage Facility, December 2004, and are included here in Appendix A.

RCRA HAZARDOUS WASTE CODES

RCRA hazardous waste codes are listed in Appendix 11a of the RCRA Part B Permit Renewal Application, Hazardous Waste Storage Facility, December 2004, and are included here in Appendix A.

NON-RCRA HAZARDOUS WASTE CODES

Non-RCRA hazardous waste codes are listed in Appendix 11b of the RCRA Part B Permit Renewal Application, Hazardous Waste Storage Facility, December 2004, and are included here in Appendix B.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS
(SUBPART CC)

The facility is subject to, and therefore must comply with, Title 40, Code of Federal Regulations, Part 264, Subpart CC, Air Emissions Standards.

**PART V. SPECIAL CONDITIONS WHICH APPLY TO ALL OF THE
FACILITY'S STORAGE AND/OR TREATMENT UNITS.**

1. As an onsite HWSF, Edwards AFB is restricted from storing HW from source(s) within the boundaries of the NASA Dryden Flight Test Center (NASA FTC). DTSC exempts Edwards AFB from this requirement in the event of an unplanned release from a NASA-owned vehicle or air/spacecraft discharged offsite from the NASA FTC. In that event, under existing interagency agreements, combined HW Emergency Response teams, from Edwards AFB and NASA FTC, will respond to such releases and Edwards AFB will be permitted to store wastes from that cleanup response.

PART VI - CORRECTIVE ACTION

1. In the event that the Permittee identifies an immediate or potential threat to human health and/or the environment, discovers new releases of hazardous waste and/or hazardous constituents, or discovers new Solid Waste Management Units (SWMUs) not previously identified, the Permittee shall notify DTSC orally within 24 hours of discovery and notify DTSC in writing within 10 days of such discovery summarizing the findings including the immediacy and magnitude of any potential threat to human health and/or the environment.
2. DTSC may require the Permittee to investigate, mitigate and/or take other applicable action to address any immediate or potential threats to human health and/or the environment and newly identified releases of hazardous waste and/or hazardous constituents. For newly identified SWMUs, the Permittee is required to conduct corrective action. Corrective action will be carried out either under the Corrective Action Consent Agreement or Unilateral Corrective Action Order pursuant to California Health and Safety Code, section 25187.

APPENDIX A

(Same as Appendix 11a of the Hazardous Waste Support Facility RCRA Part B
Permit Application Edwards Air Force Base)

Listed Wastes Processed and/or Stored at the Edwards AFB
Hazardous Waste Support Facility

APPENDIX B

(Same as Appendix 11b of the Hazardous Waste Support Facility RCRA Part B
Permit Application Edwards Air Force Base)

California Waste Codes Processed and/or Stored at the Edwards AFB
Hazardous Waste Support Facility